

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015254.D
 Acq On : 13 Mar 2020 13:04
 Operator : JC/SP
 Sample : L1903-25
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D3-20200311

Quant Time: Mar 16 08:19:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

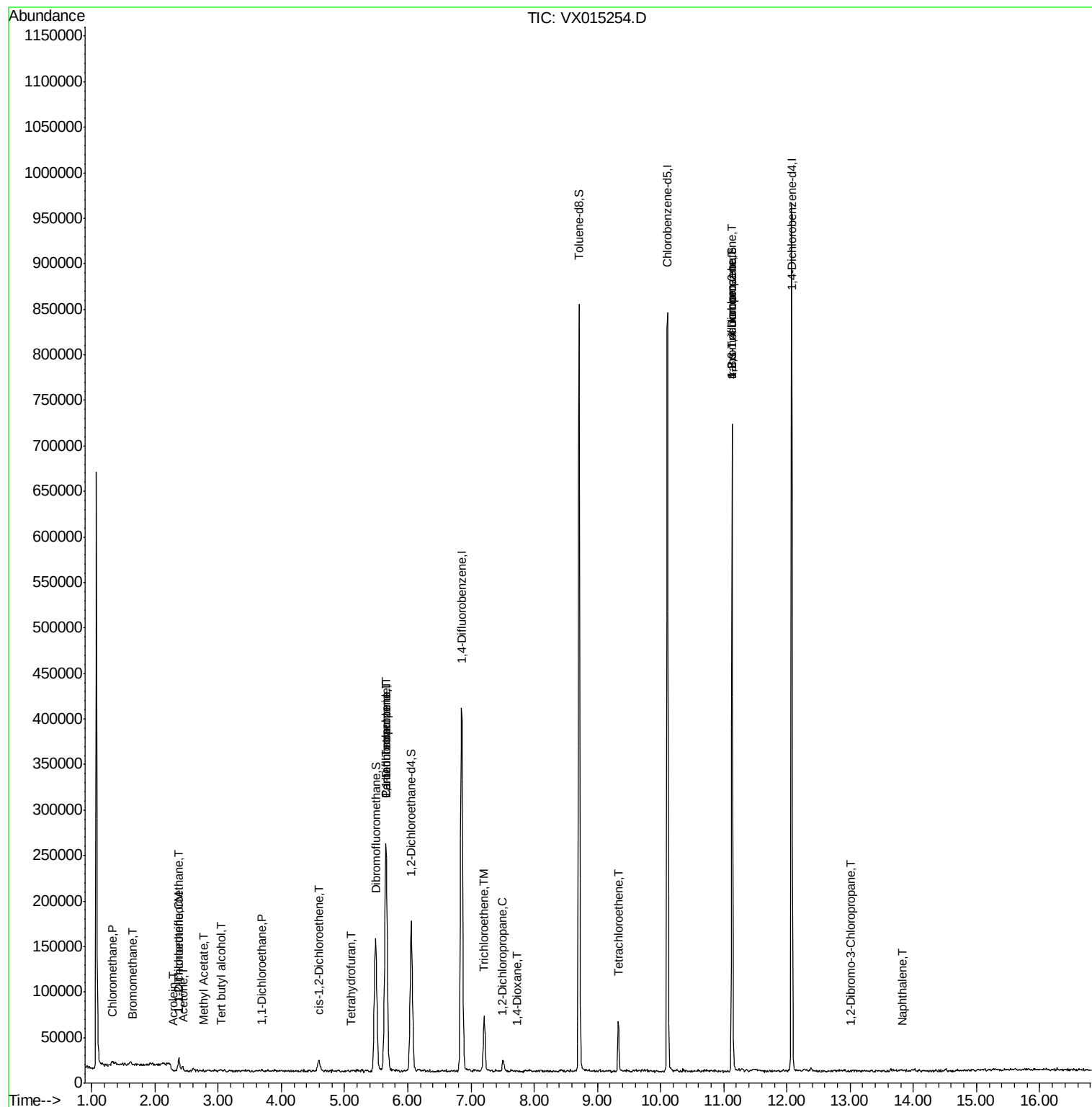
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	263139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	415379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	400377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	210434	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	149695	47.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.90%	
35) Dibromofluoromethane	5.49	113	127433	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
50) Toluene-d8	8.71	98	503957	50.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.13	95	187896	52.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.70%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.31	50	812	0.249	ug/l #	84
5) Bromomethane	1.65	94	643	0.316	ug/l #	54
9) 1,1,2-Trichlorotrifluoroet	2.37	101	5467	2.206	ug/l	93
11) Tert butyl alcohol	3.03	59	2593	4.787	ug/l	97
12) 1,1-Dichloroethene	2.37	96	1314	0.514	ug/l #	73
13) Acrolein	2.28	56	447	0.878	ug/l #	59
16) Acetone	2.44	43	5150	4.073	ug/l	96
18) Methyl Acetate	2.77	43	717	0.232	ug/l #	87
24) 1,1-Dichloroethane	3.69	63	1066	0.216	ug/l #	67
27) cis-1,2-Dichloroethene	4.59	96	8048	2.627	ug/l	89
29) Tetrahydrofuran	5.11	42	332	0.278	ug/l #	32
36) 1,1-Dichloropropene	5.65	75	18103	4.714	ug/l #	53
38) Carbon Tetrachloride	5.65	117	22247	6.138	ug/l #	17
44) Trichloroethene	7.21	130	25228	7.951	ug/l	96
45) 1,2-Dichloropropane	7.51	63	5427	1.840	ug/l	99
49) 1,4-Dioxane	7.73	88	95	1.378	ug/l #	1
64) Tetrachloroethene	9.33	164	12283	3.710	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	90174	21.483	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	90174	60.968	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	13.01	75	266	0.297	ug/l #	8
95) Naphthalene	13.84	128	744	1.472	ug/l #	81

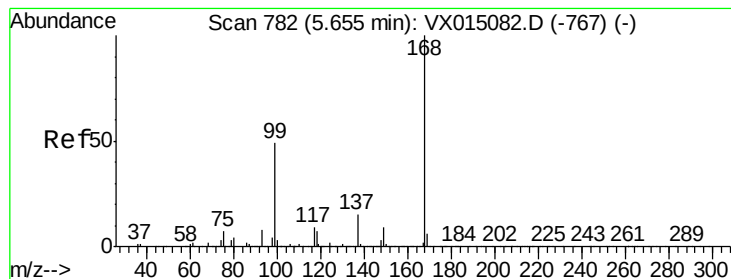
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 04 14:19:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX015254.D

Acq: 13 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampleId :

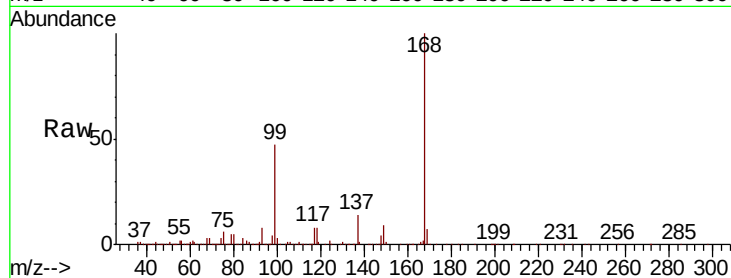
RE135D3-20200311

Tot Ion:168 Resp: 263139

Ion Ratio Lower Upper

168 100

99 46.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

100000

80000

60000

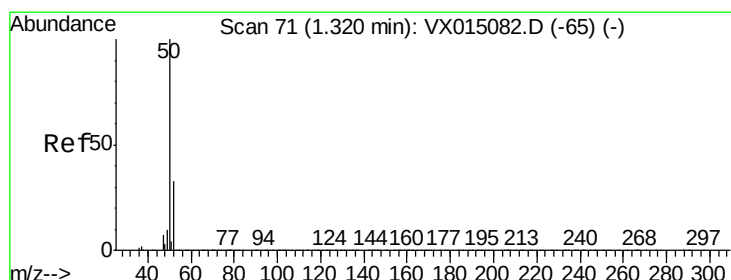
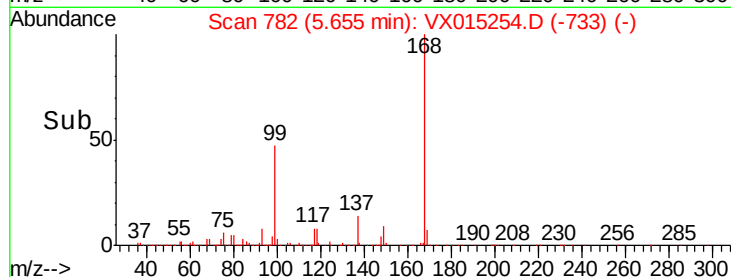
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.249 ug/l

RT: 1.31 min Scan# 70

Delta R.T. -0.01 min

Lab File: VX015254.D

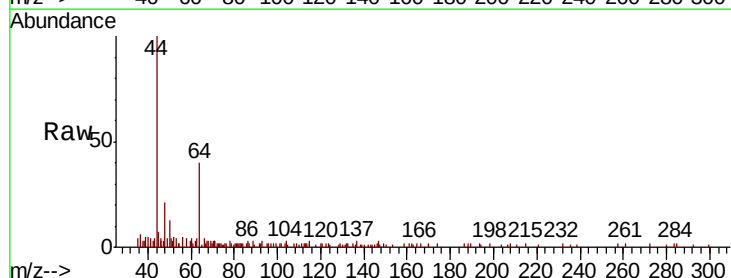
Acq: 13 Mar 2020 13:04

Tgt Ion: 50 Resp: 812

Ion Ratio Lower Upper

50 100

52 23.9 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

600

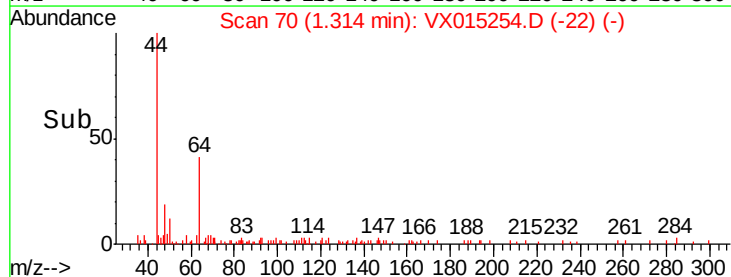
400

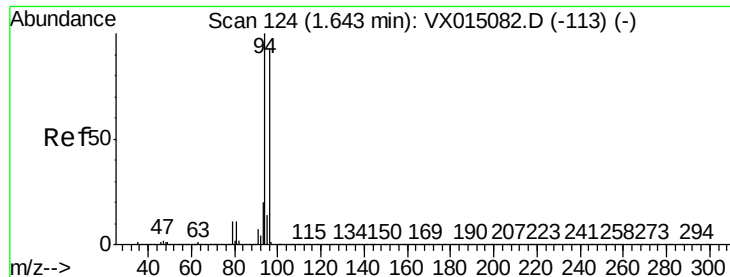
200

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.316 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.01 min

Lab File: VX015254.D

Acq: 13 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampleId :

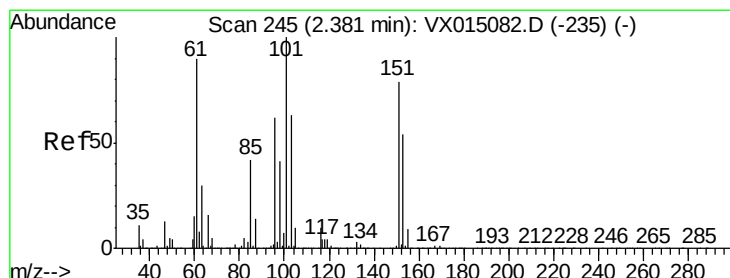
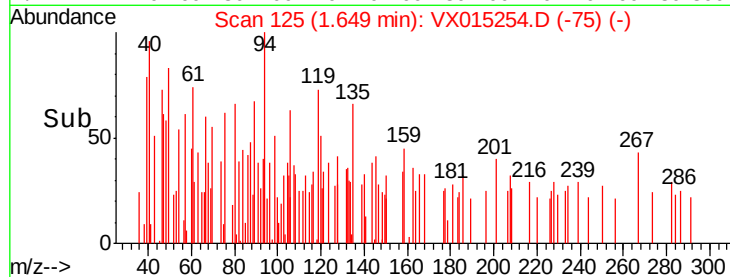
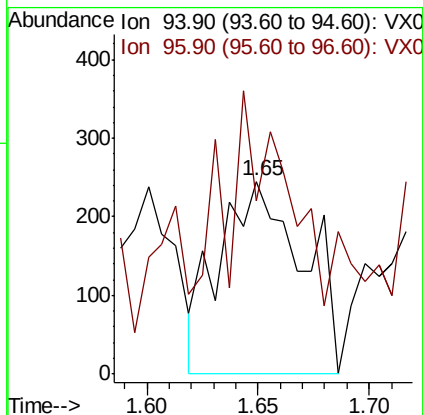
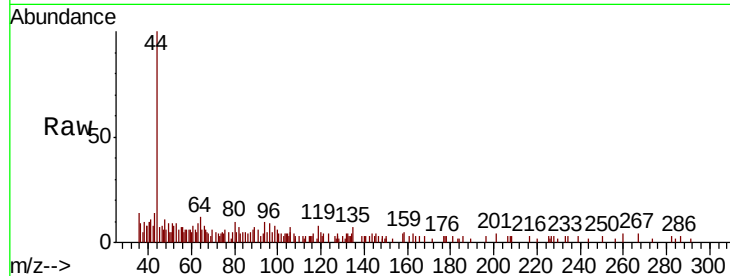
RE135D3-20200311

Tot Ion: 94 Resp: 643

Ion Ratio Lower Upper

94 100

96 48.6 74.6 111.8#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.206 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.01 min

Lab File: VX015254.D

Acq: 13 Mar 2020 13:04

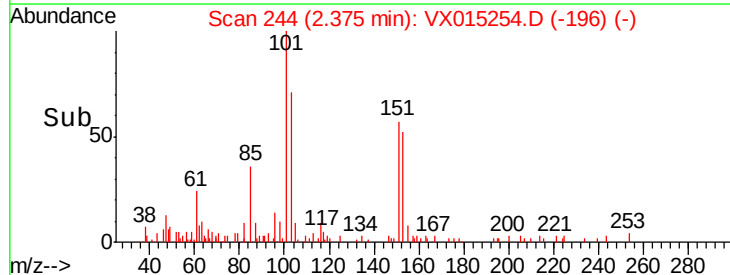
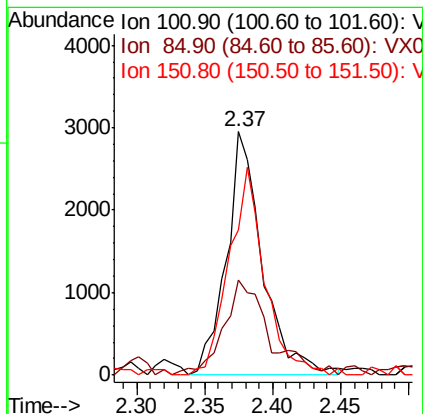
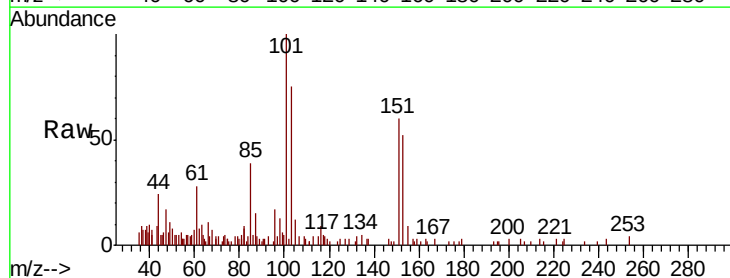
Tgt Ion: 101 Resp: 5467

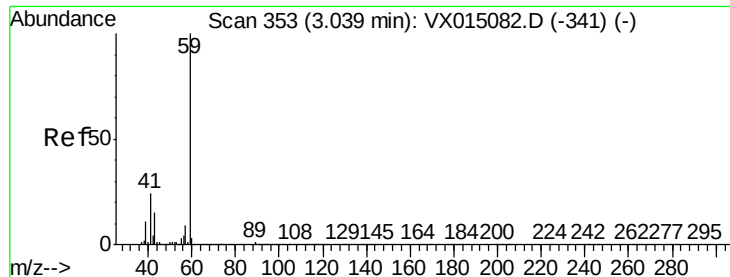
Ion Ratio Lower Upper

101 100

85 48.9 33.7 50.5

151 84.4 64.0 96.0

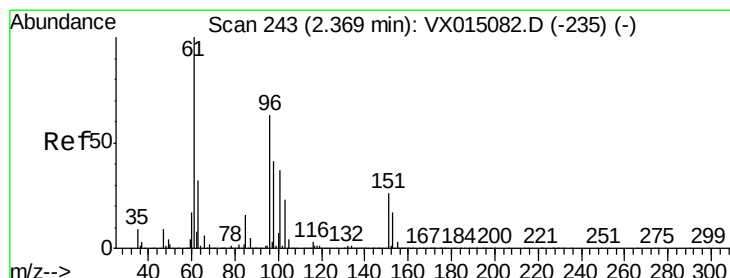
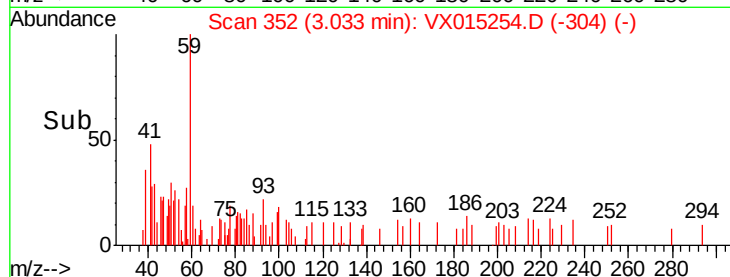
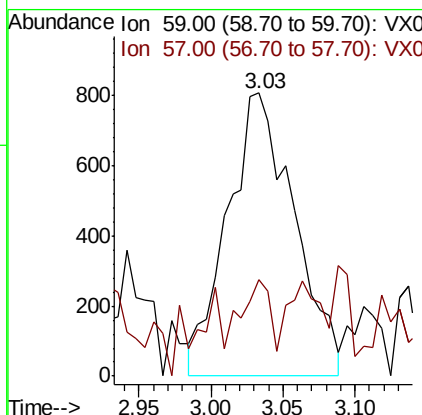
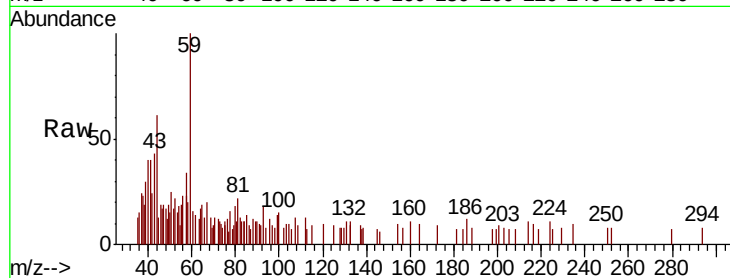




#11
Tert butyl alcohol
Concen: 4.787 ug/l
RT: 3.03 min Scan# 352
Delta R.T. -0.01 min
Lab File: VX015254.D
Acq: 13 Mar 2020 13:04

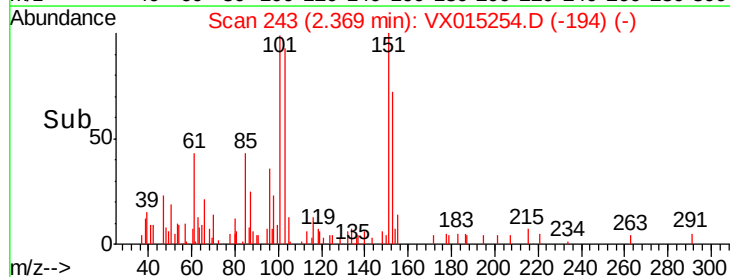
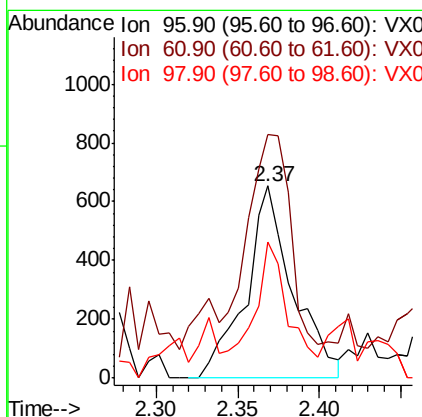
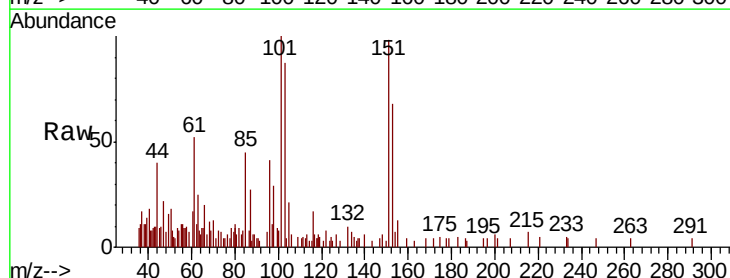
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20200311

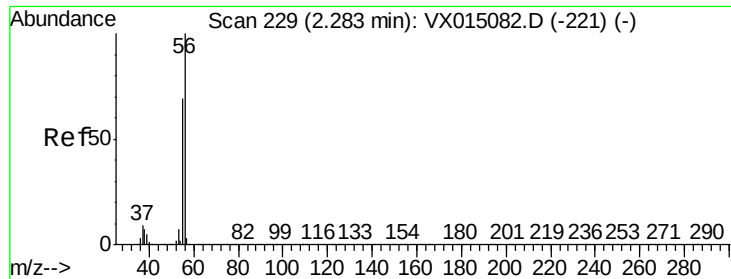
Tot Ion: 59 Resp: 2593
Ion Ratio Lower Upper
59 100
57 9.3 8.2 12.4



#12
1,1-Dichloroethene
Concen: 0.514 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.00 min
Lab File: VX015254.D
Acq: 13 Mar 2020 13:04

Tgt Ion: 96 Resp: 1314
Ion Ratio Lower Upper
96 100
61 108.4 126.2 189.4#
98 62.5 51.4 77.0

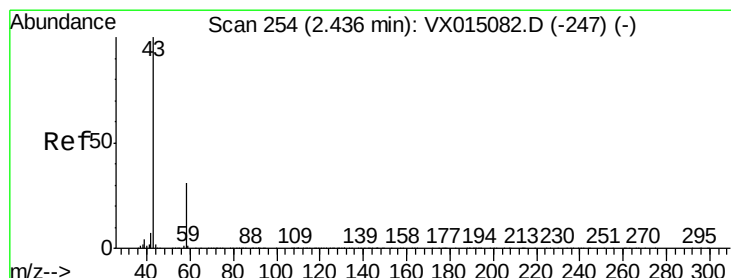
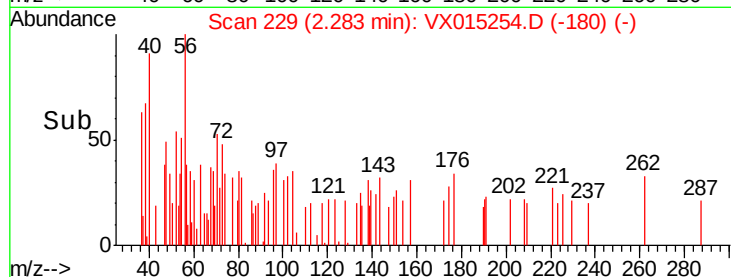
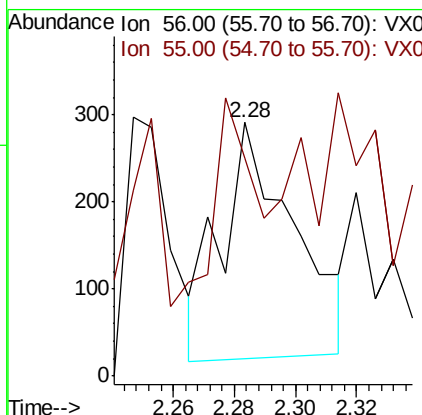
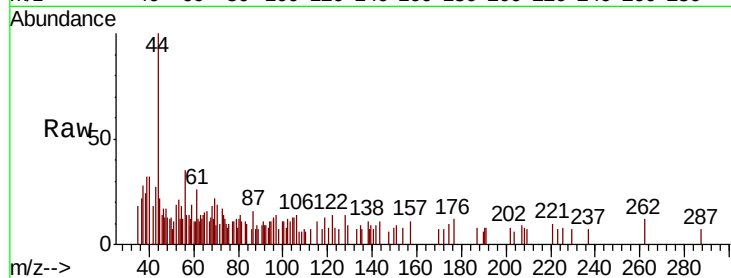




#13
Acrolein
Concen: 0.878 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX015254.D
Acq: 13 Mar 2020 13:04

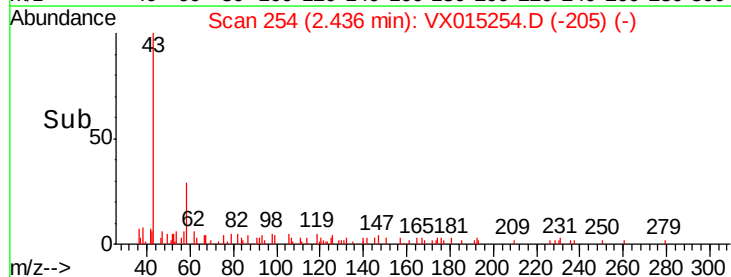
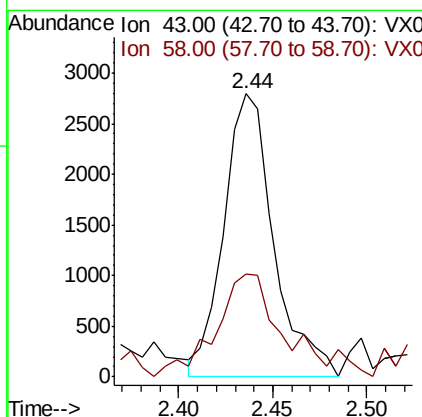
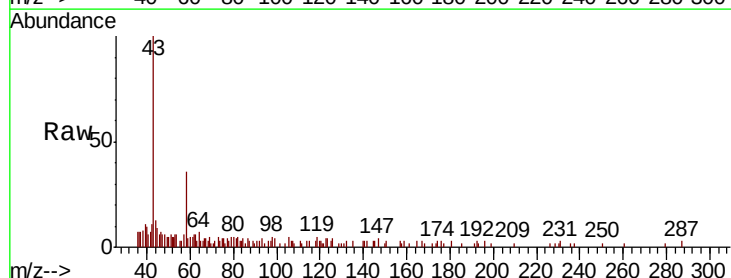
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20200311

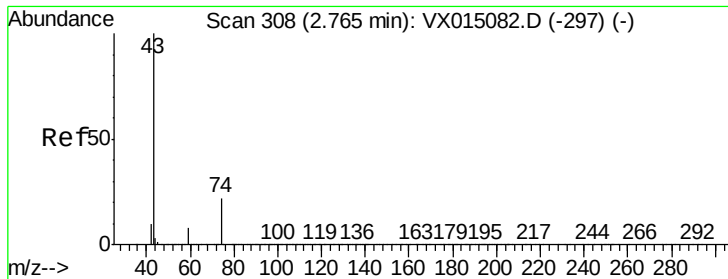
Tot Ion: 56 Resp: 447
Ion Ratio Lower Upper
56 100
55 35.6 55.4 83.0#



#16
Acetone
Concen: 4.073 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX015254.D
Acq: 13 Mar 2020 13:04

Tgt Ion: 43 Resp: 5150
Ion Ratio Lower Upper
43 100
58 29.0 24.8 37.2

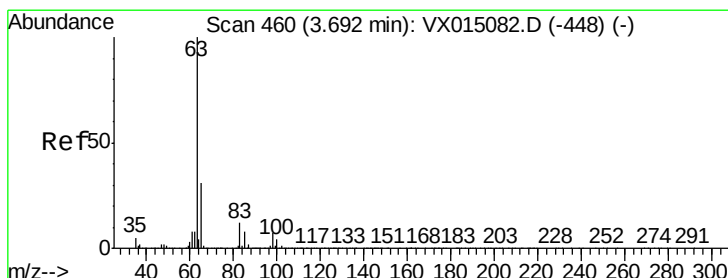
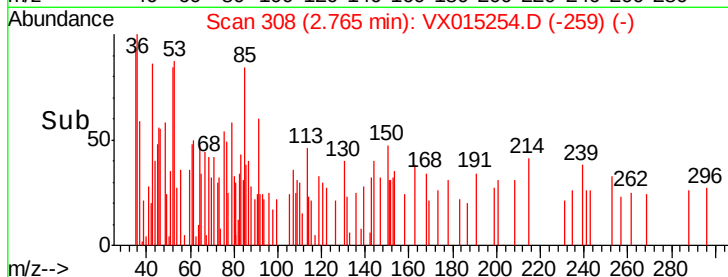
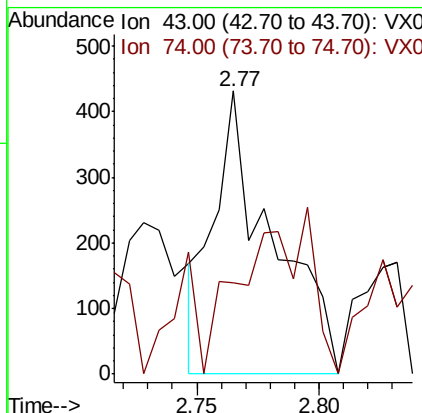
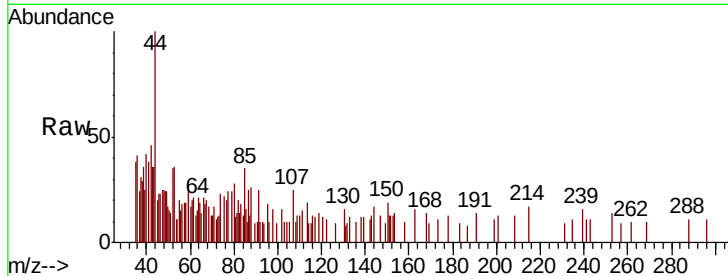




#18
Methvl Acetate
Concen: 0.232 ug/l
RT: 2.77 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX015254.D
Acq: 13 Mar 2020 13:04

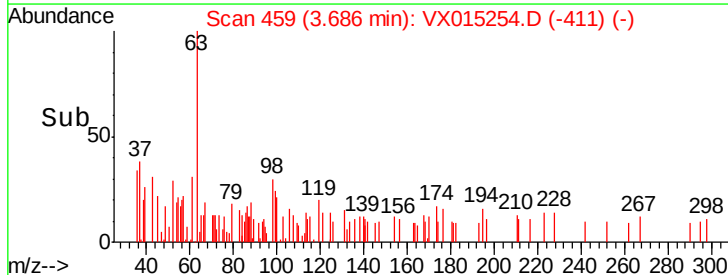
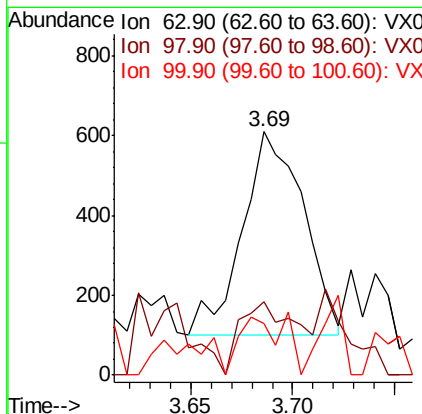
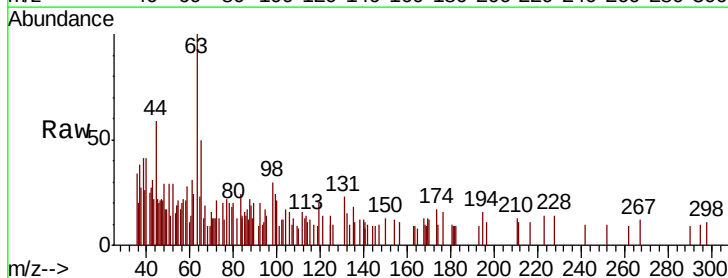
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RE135D3-20200311

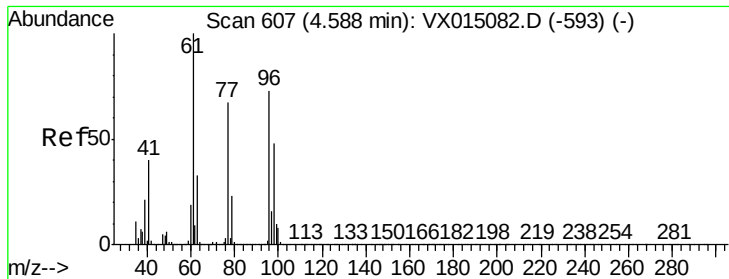
Tot Ion: 43 Resp: 717
Ion Ratio Lower Upper
43 100
74 17.3 18.8 28.2#



#24
1,1-Dichloroethane
Concen: 0.216 ug/l
RT: 3.69 min Scan# 459
Delta R.T. -0.01 min
Lab File: VX015254.D
Acq: 13 Mar 2020 13:04

Tgt Ion: 63 Resp: 1066
Ion Ratio Lower Upper
63 100
98 22.4 3.7 11.1#
100 9.8 2.1 6.5#



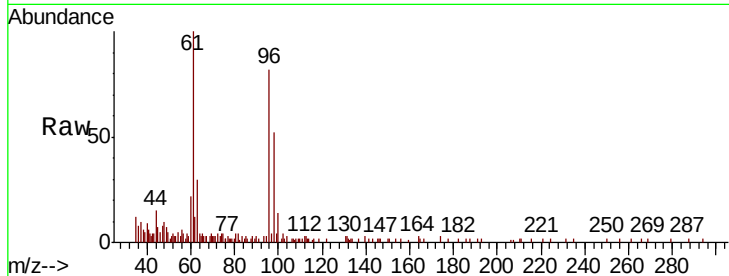


#27

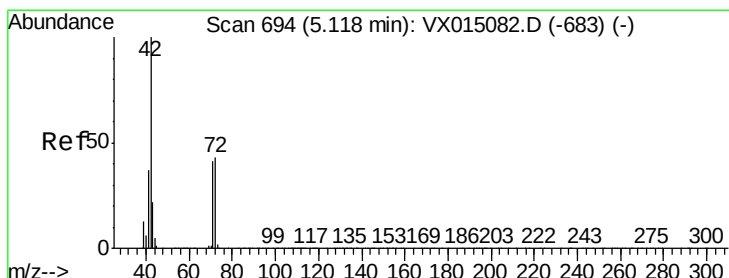
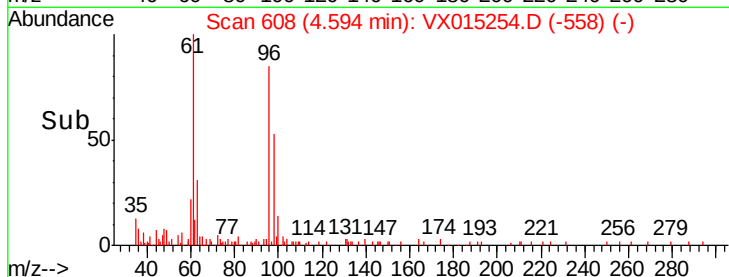
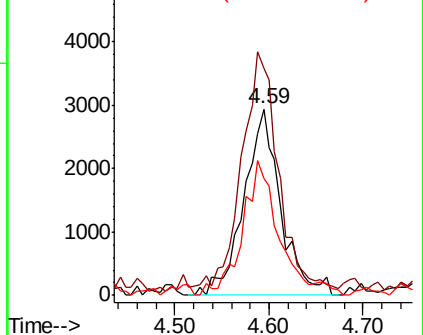
cis-1,2-Dichloroethene
 Concen: 2.627 ug/l
 RT: 4.59 min Scan# 608
 Delta R.T. 0.01 min
 Lab File: VX015254.D
 Acq: 13 Mar 2020 13:04

Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D3-20200311

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.8	0.0	286.8
98	69.7	0.0	128.4



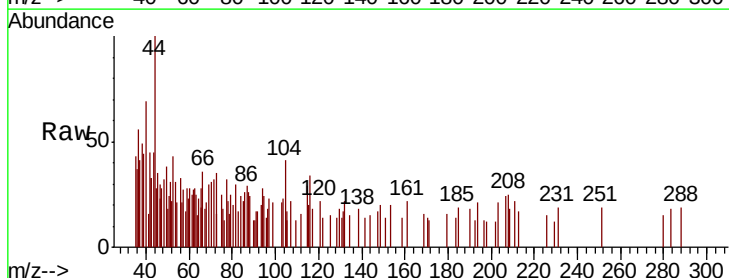
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



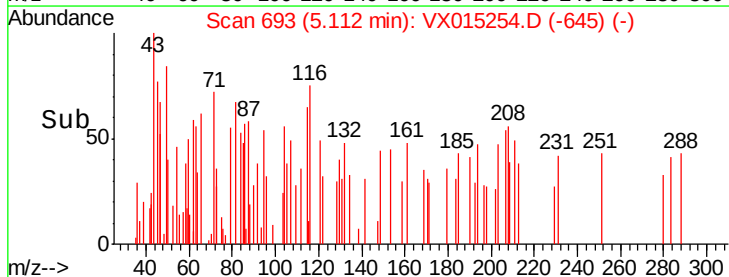
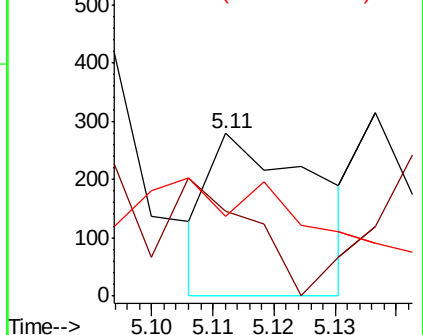
#29

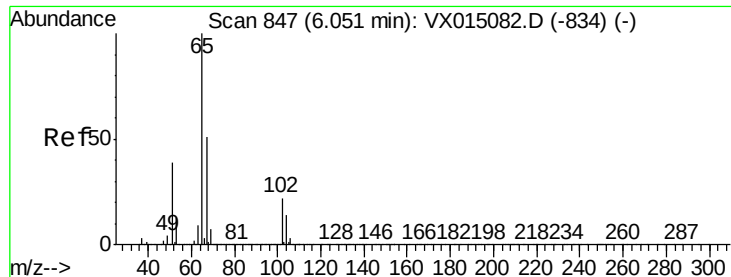
Tetrahydrofuran
 Concen: 0.278 ug/l
 RT: 5.11 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VX015254.D
 Acq: 13 Mar 2020 13:04

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.4	54.6#
71	83.7	33.3	49.9#



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0

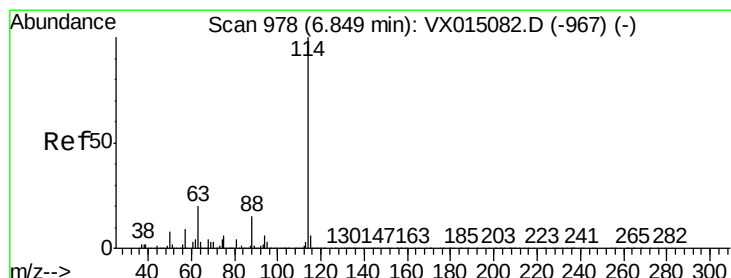
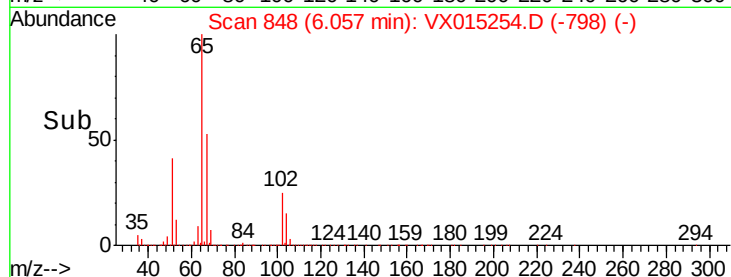
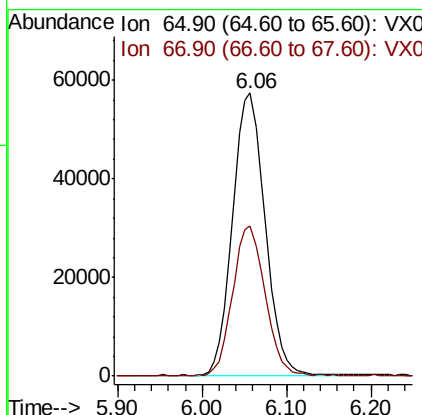
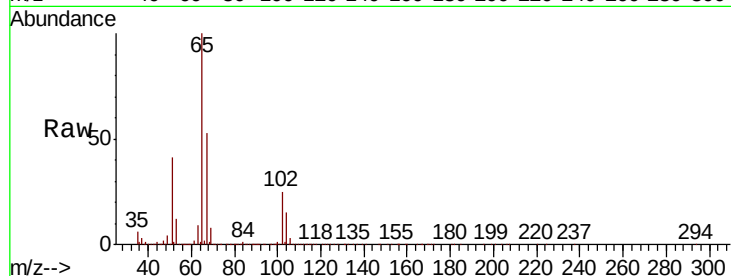




#33
 1,2-Dichloroethane-d4
 Concen: 47.951 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX015254.D
 Acq: 13 Mar 2020 13:04

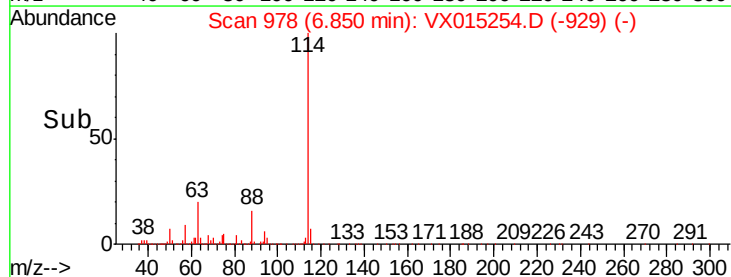
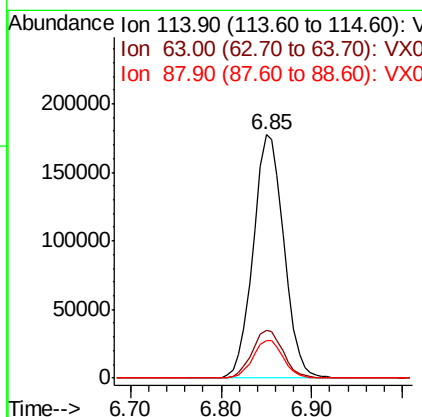
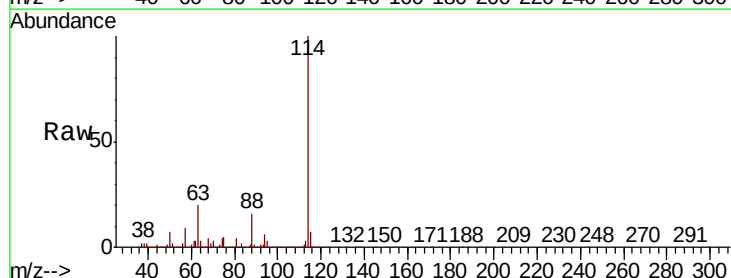
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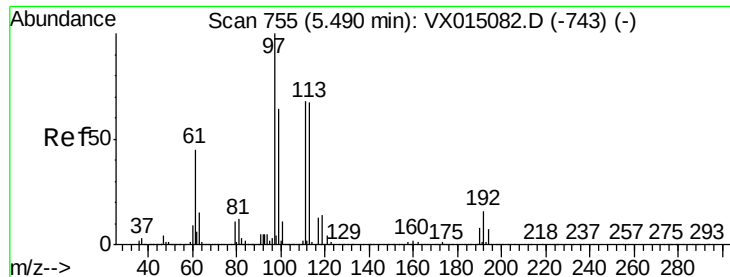
Tot Ion: 65 Resp: 149695
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015254.D
 Acq: 13 Mar 2020 13:04

Tgt Ion: 114 Resp: 415379
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.7 0.0 30.6

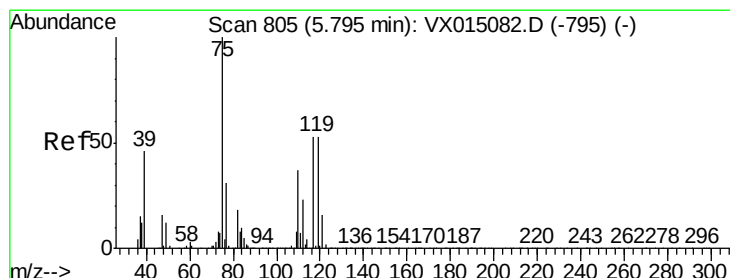
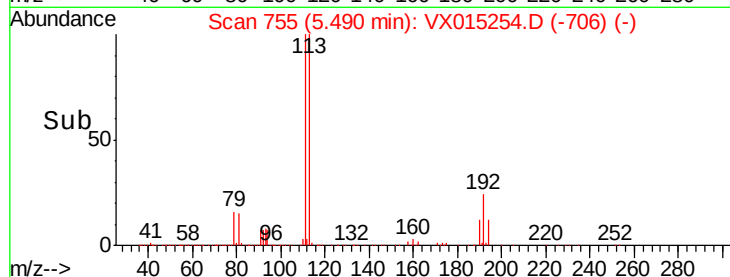
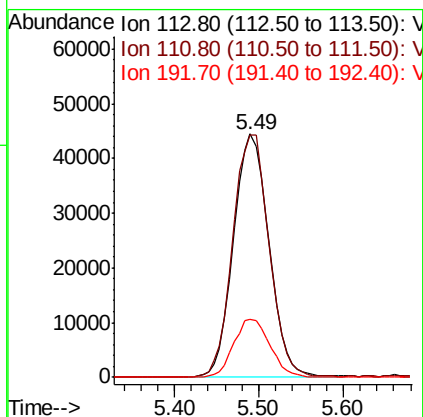
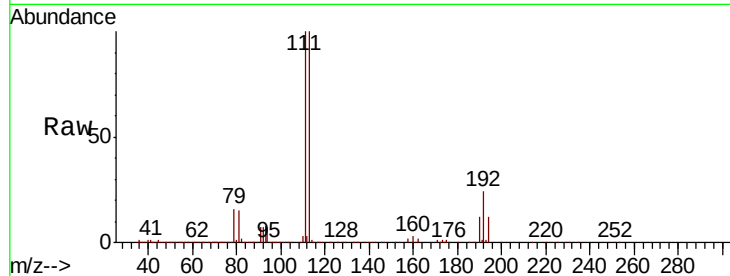




#35
 Dibromofluoromethane
 Concen: 48.629 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX015254.D
 Acq: 13 Mar 2020 13:04

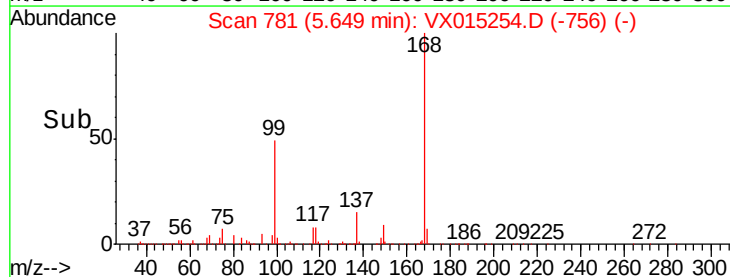
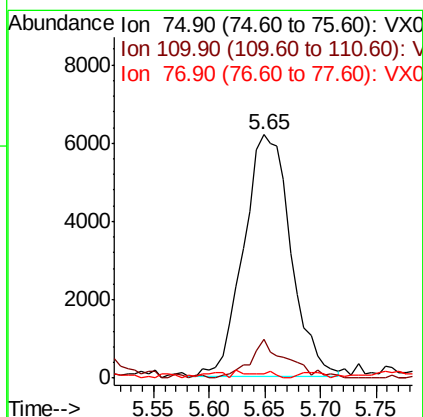
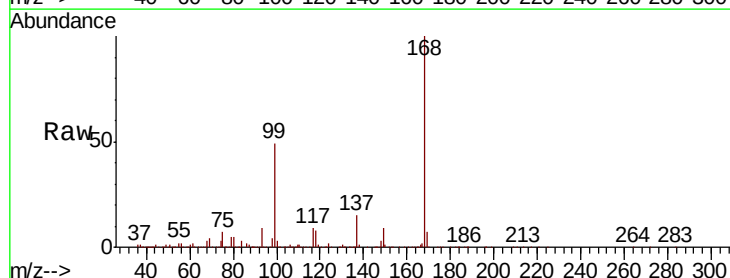
Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D3-20200311

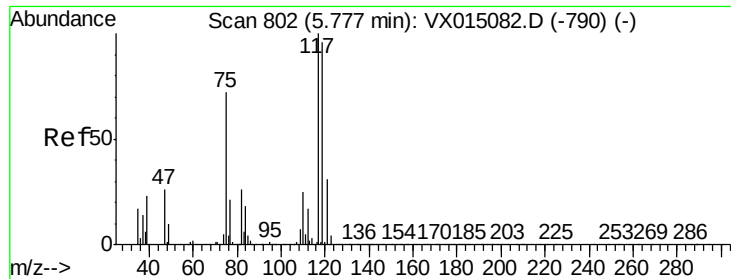
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	24.5	18.6	28.0



#36
 1,1-Dichloropropene
 Concen: 4.714 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.15 min
 Lab File: VX015254.D
 Acq: 13 Mar 2020 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	12.8	17.9	53.8#
77	0.0	24.8	37.2#

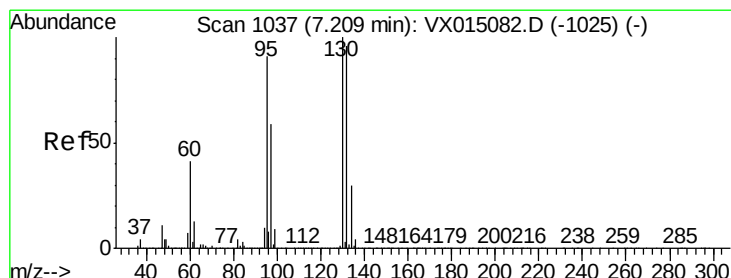
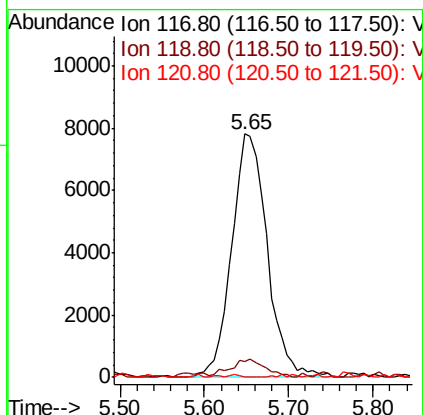
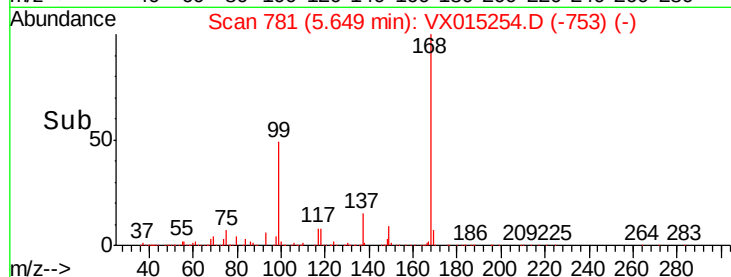
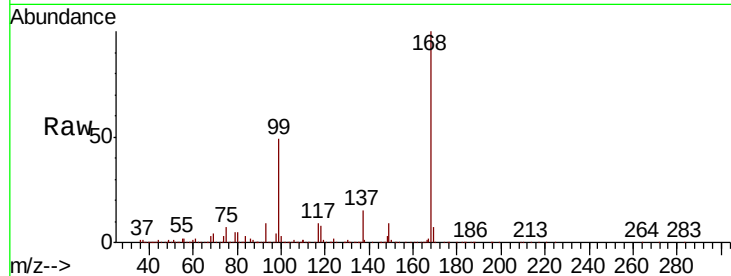




#38
Carbon Tetrachloride
Concen: 6.138 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX015254.D
Acq: 13 Mar 2020 13:04

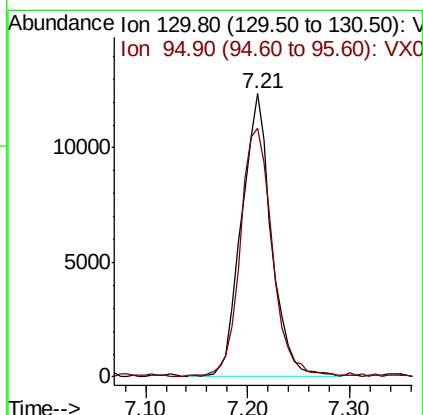
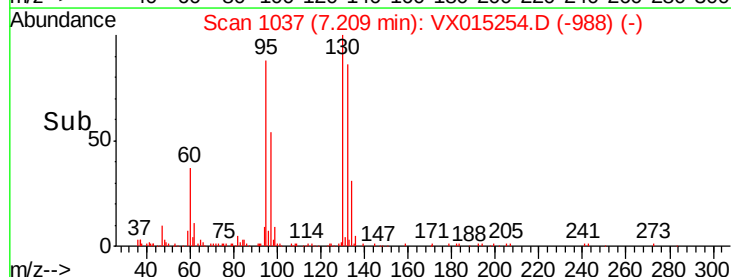
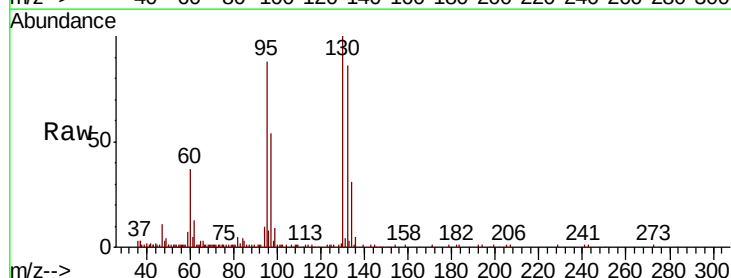
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20200311

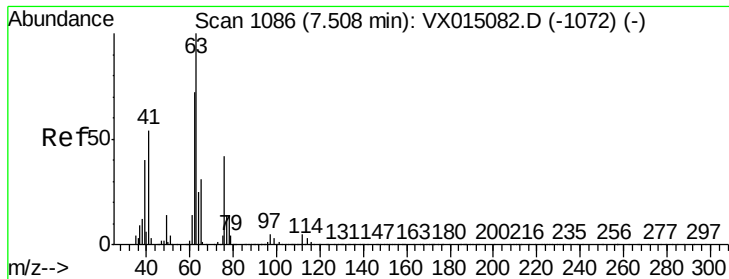
Tot Ion:117 Resp: 22247
Ion Ratio Lower Upper
117 100
119 6.2 76.9 115.3#
121 0.0 24.6 37.0#



#44
Trichloroethene
Concen: 7.951 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VX015254.D
Acq: 13 Mar 2020 13:04

Tgt Ion:130 Resp: 25228
Ion Ratio Lower Upper
130 100
95 87.0 0.0 181.2

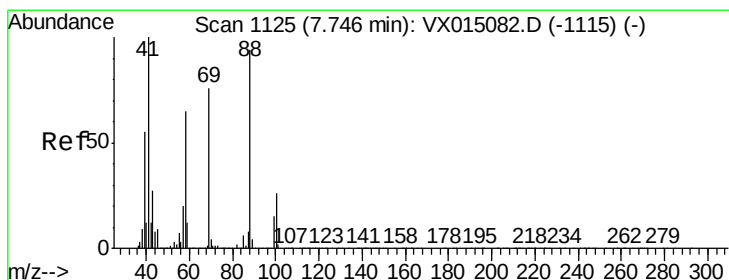
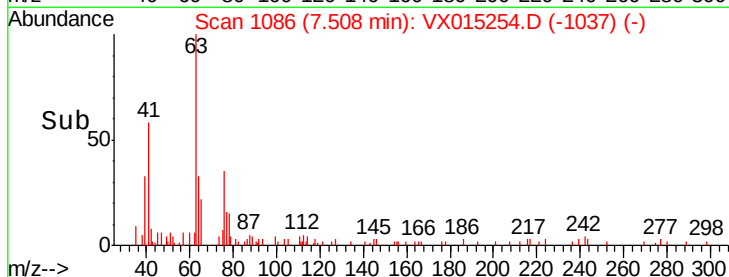
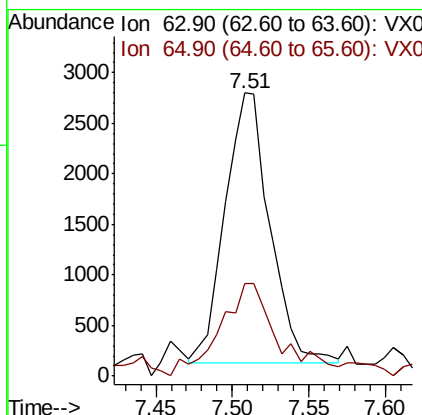
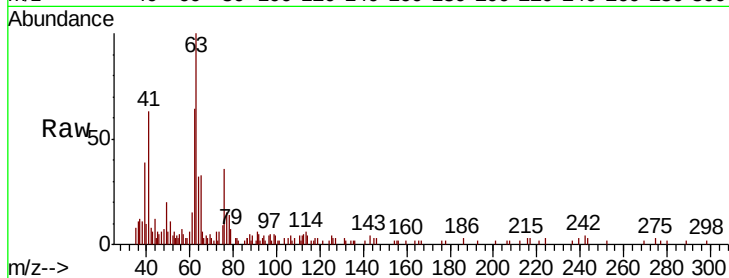




#45
 1,2-Dichloropropane
 Concen: 1.840 ug/l
 RT: 7.51 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX015254.D
 Acq: 13 Mar 2020 13:04

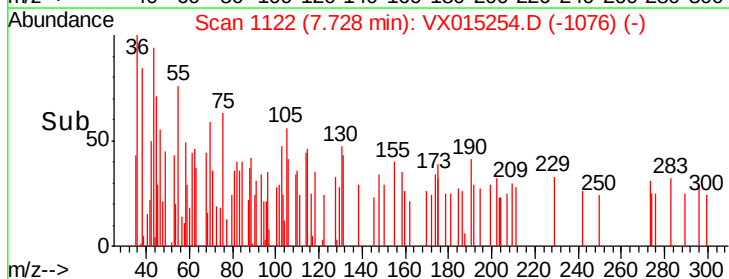
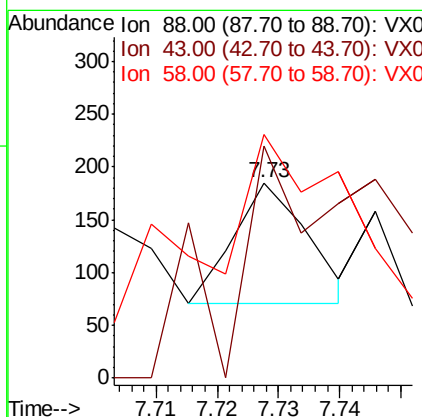
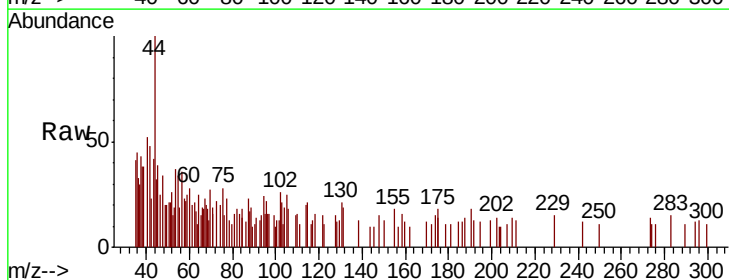
Instrument :
 MSVOA_X
 ClientSampleId :
 RE135D3-20200311

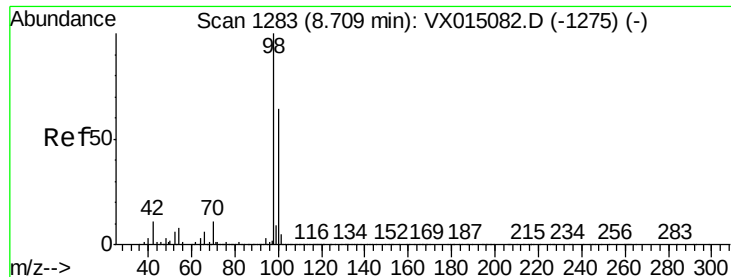
Tot Ion: 63 Resp: 5427
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.6 36.8



#49
 1,4-Dioxane
 Concen: 1.378 ug/l
 RT: 7.73 min Scan# 1122
 Delta R.T. -0.02 min
 Lab File: VX015254.D
 Acq: 13 Mar 2020 13:04

Tgt Ion: 88 Resp: 95
 Ion Ratio Lower Upper
 88 100
 43 428.4 27.0 40.4#
 58 285.3 55.6 83.4#





#50

Toluene-d8

Concen: 50.557 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015254.D

Acq: 13 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampleId :

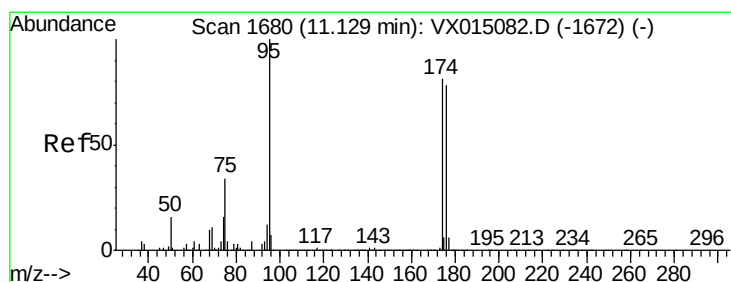
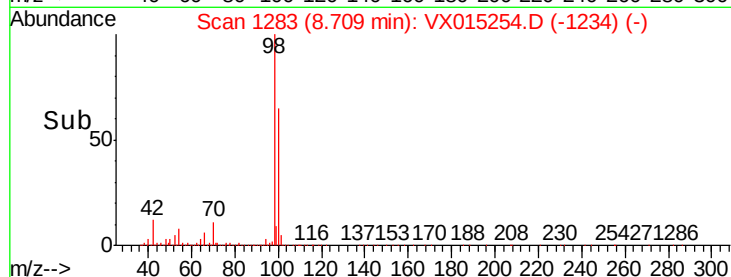
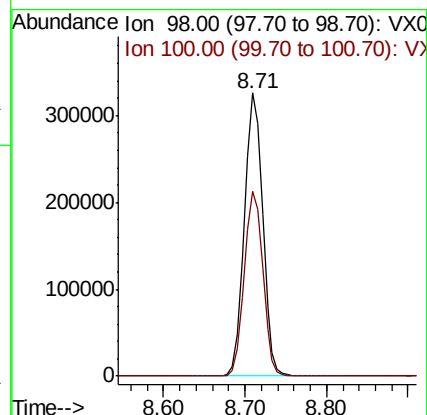
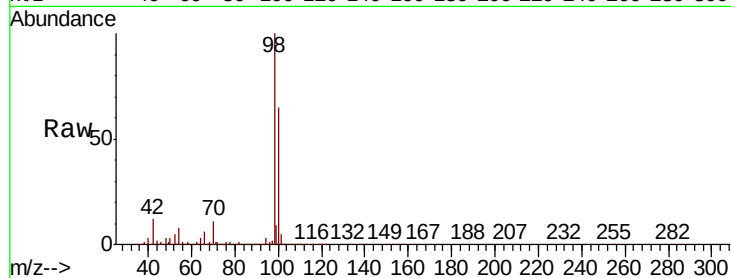
RE135D3-20200311

Tot Ion: 98 Resp: 503957

Ion Ratio Lower Upper

98 100

100 66.0 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 52.847 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015254.D

Acq: 13 Mar 2020 13:04

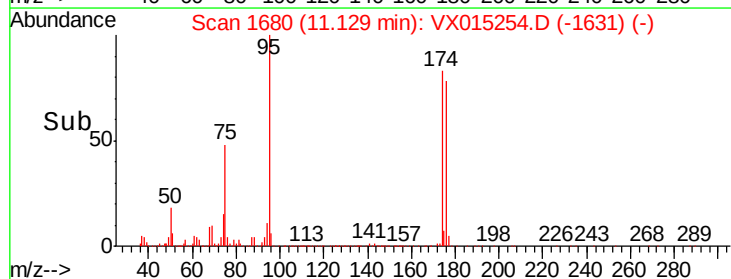
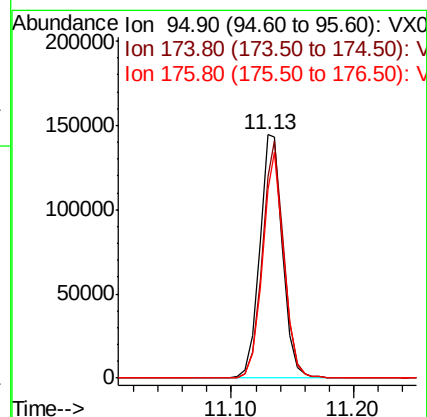
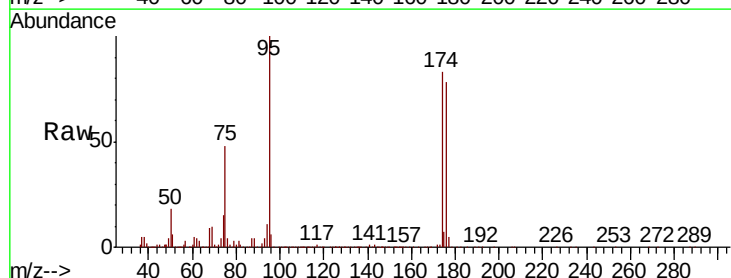
Tgt Ion: 95 Resp: 187896

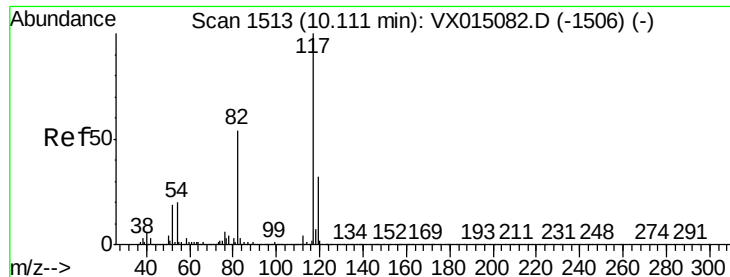
Ion Ratio Lower Upper

95 100

174 92.0 0.0 177.6

176 87.4 0.0 170.2

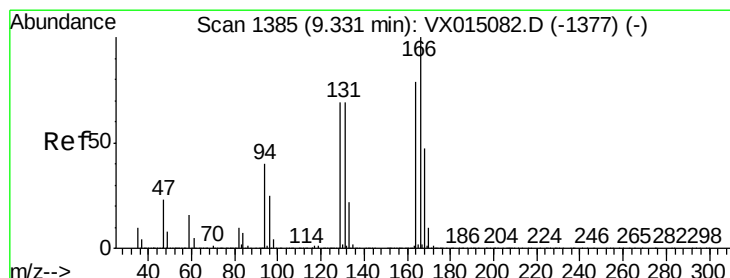
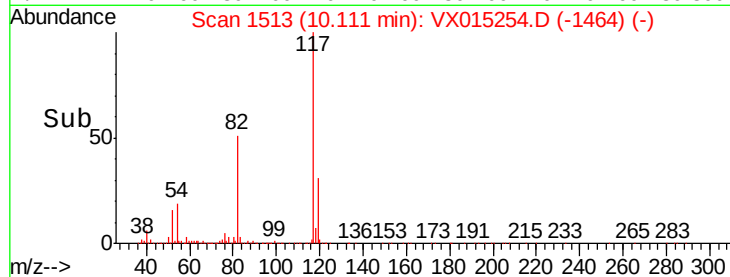
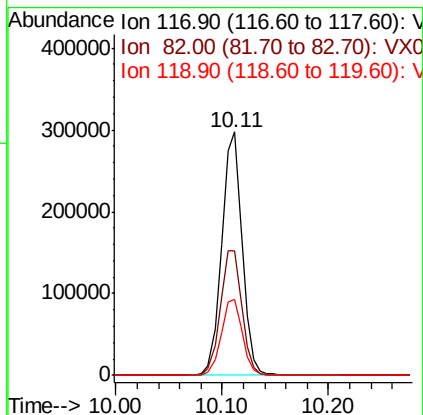
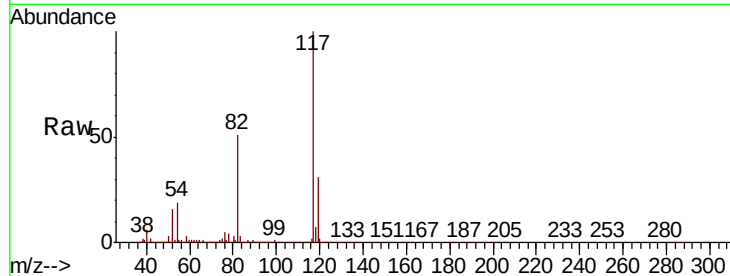




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX015254.D
Acq: 13 Mar 2020 13:04

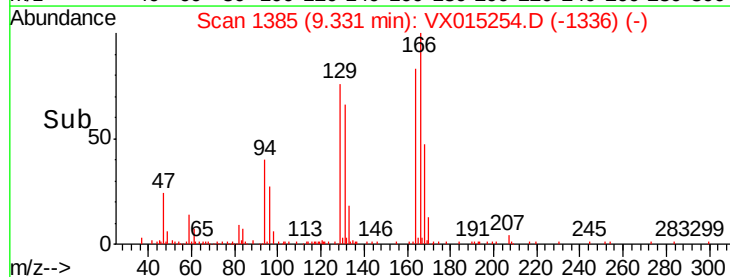
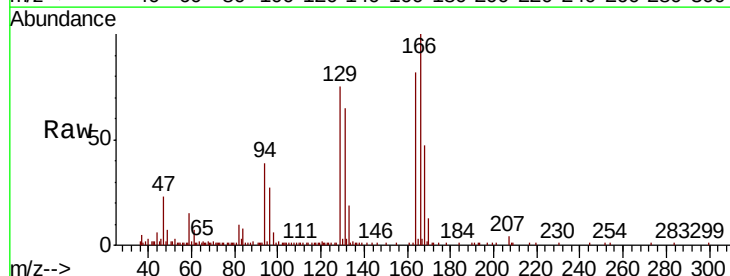
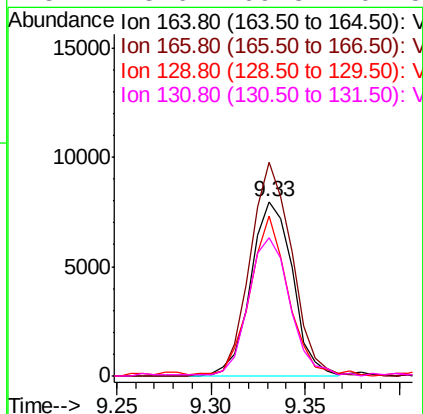
Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20200311

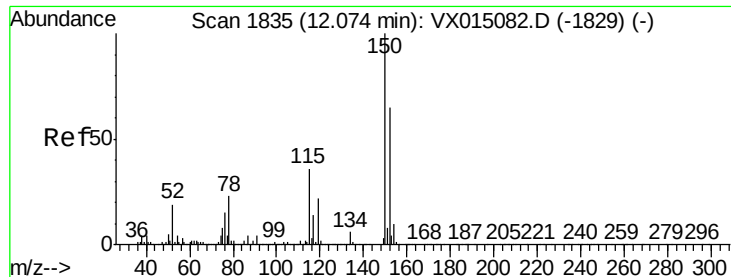
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	43.3	64.9
119	31.4	25.8	38.8



#64
Tetrachloroethene
Concen: 3.710 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX015254.D
Acq: 13 Mar 2020 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	101.1	151.7
129	90.2	69.4	104.0
131	78.6	69.8	104.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015254.D

Acq: 13 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20200311

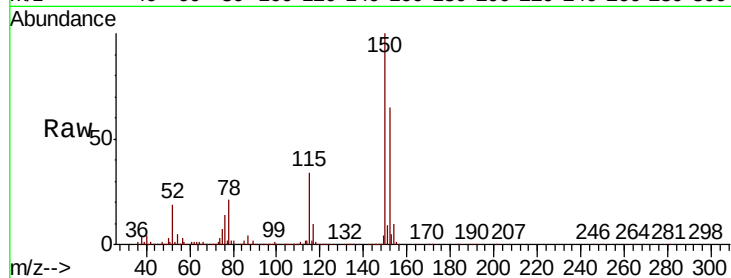
Tot Ion:152 Resp: 210434

Ion Ratio Lower Upper

152 100

115 54.7 38.2 114.6

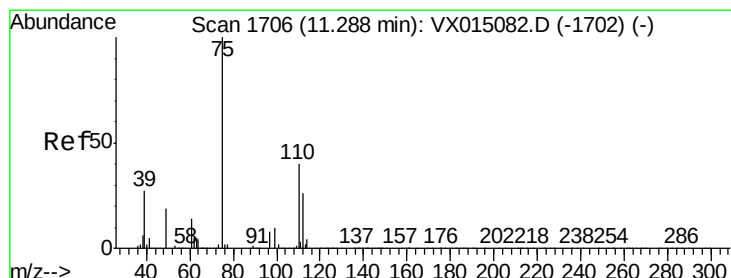
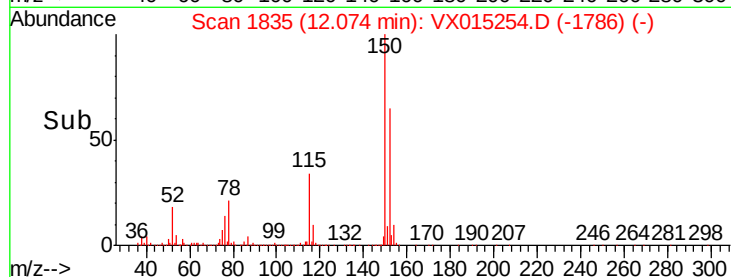
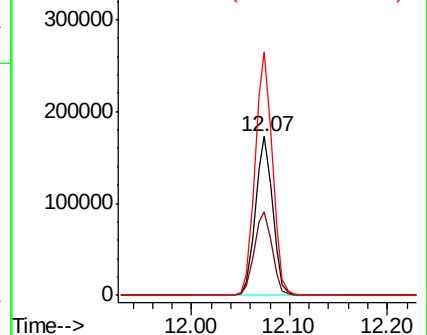
150 154.0 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.483 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX015254.D

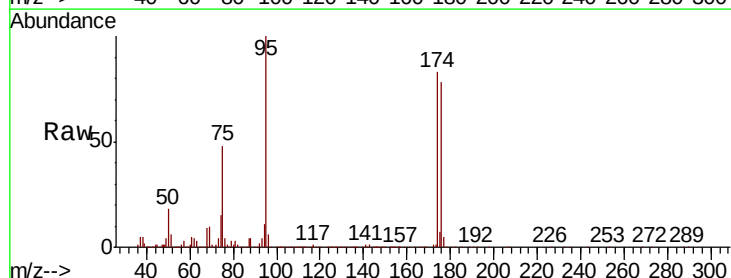
Acq: 13 Mar 2020 13:04

Tgt Ion: 75 Resp: 90174

Ion Ratio Lower Upper

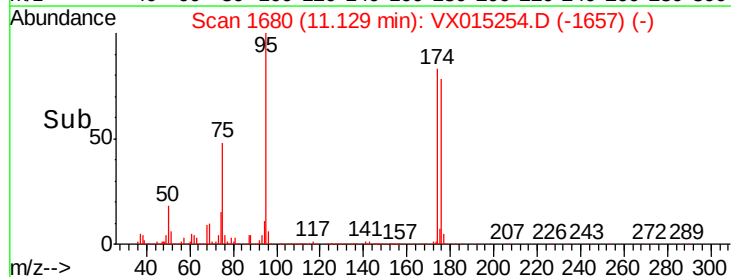
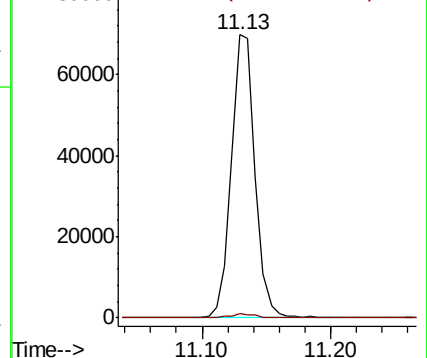
75 100

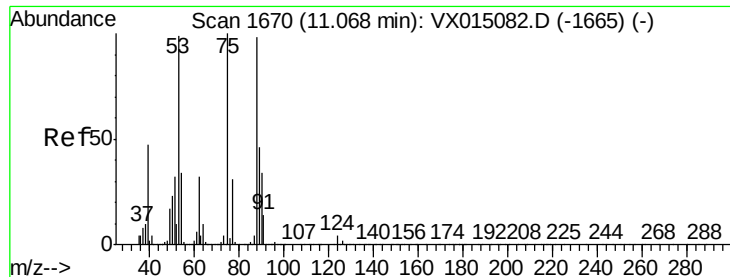
77 1.8 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.968 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX015254.D

Acq: 13 Mar 2020 13:04

Instrument :

MSVOA_X

ClientSampleId :

RE135D3-20200311

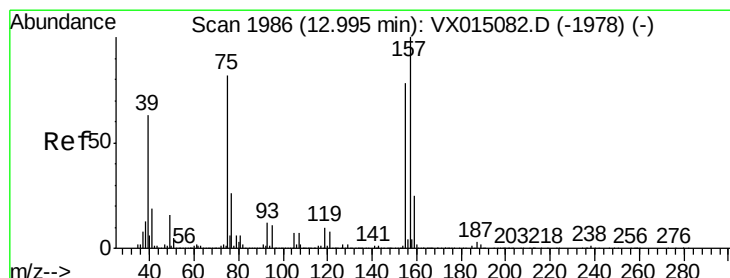
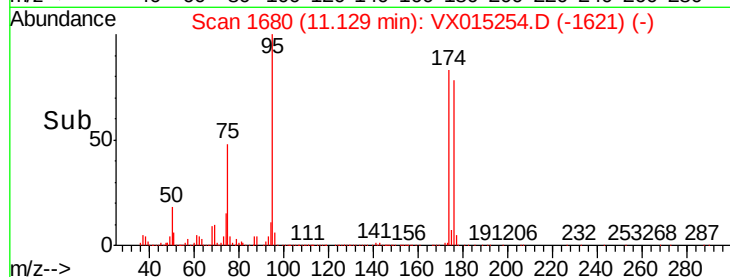
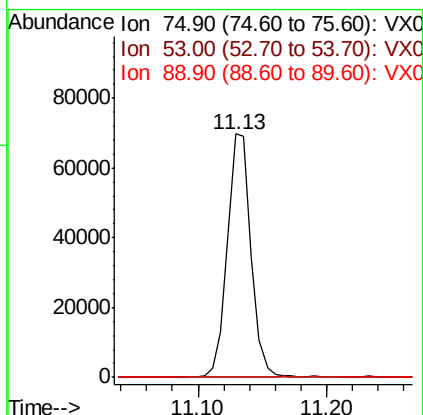
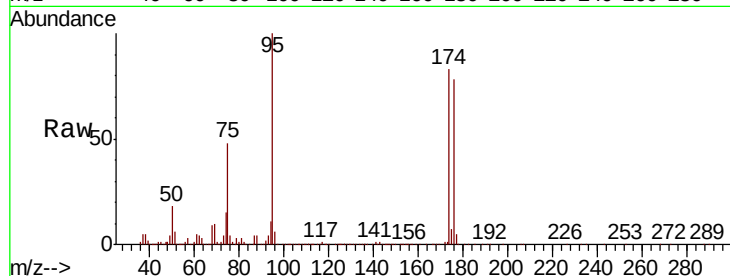
Tot Ion: 75 Resp: 90174

Ion Ratio Lower Upper

75 100

53 0.2 77.9 116.9#

89 0.2 36.2 54.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.297 ug/l

RT: 13.01 min Scan# 1989

Delta R.T. 0.02 min

Lab File: VX015254.D

Acq: 13 Mar 2020 13:04

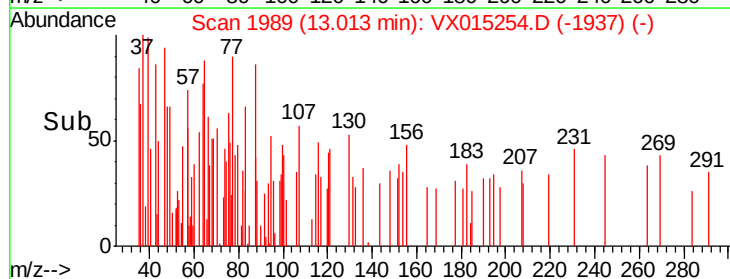
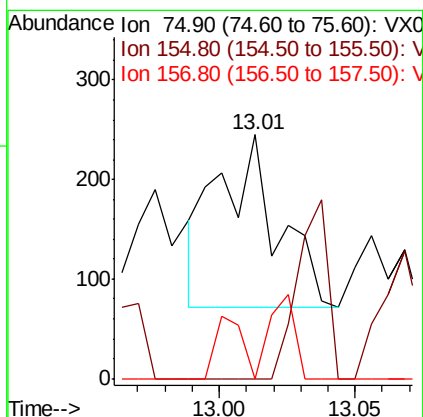
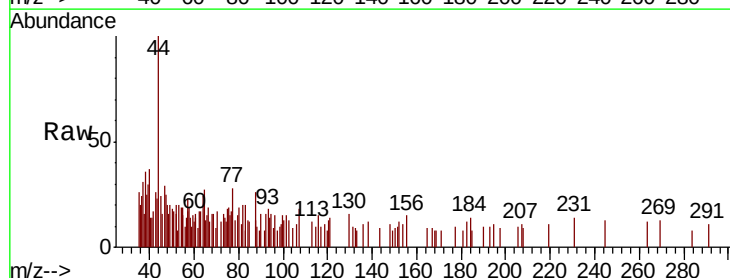
Tgt Ion: 75 Resp: 266

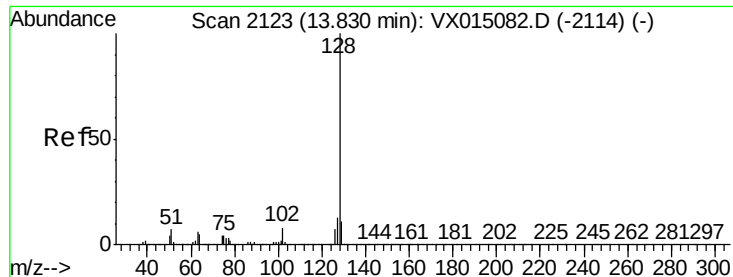
Ion Ratio Lower Upper

75 100

155 0.0 46.6 139.7#

157 20.3 59.2 177.5#





#95
Naphthalene
Concen: 1.472 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX015254.D
Acq: 13 Mar 2020 13:04

Instrument :
MSVOA_X
ClientSampleId :
RE135D3-20200311

Tot Ion:128 Resp: 744
Ion Ratio Lower Upper
128 100
127 22.7 10.3 15.5#
129 15.6 8.6 13.0#

